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BANGALORE UNIVERSITY
DEPARTMENT OF CIVIL ENGINEERING

JNANA BHARATHI
BANGALORE - 560 056

BUB/CTE/2017-18/Steel

Date: 12-05-2017

1. TEST REPORT ON REINFORCEMENT STEEL:

Sub: Testing of Reinforcement Steel of diameter 10, 12, 16mm.
{Project*: Construction of RCC Culvert & U Shape Drain for Secondary SWD in Settyhalli and Chikkasandra Village in Settyhalli Ward No.12, **Indent No.22272**}

Ref. : Letter No. AEE/SWD/DD/PR/14/2017-18, dated 08-05-2017

Sample supplied to lab by : Assistant Executive Engineer,
Storm Water Drain, Darasarahalli Division,
BBMP, Bangalore.

Name of the Contractor/Agency*: M/s. KVK Constructions.

Technical Reference: IS 1786-2008

TABLE – 1

SL No	Details	For 10mm		For 12mm		For 16mm	
		Test Results	Min. Req as per IS 1786-2008	**Test Results**	Min. Req as per IS 1786-2008	**Test Results**	Min.Req. as per IS 1786-2008
01	Observed diameter of bar	**10.0mm**	10.0mm	**12.0mm**	12.0mm	**16.0mm**	16.0 mm
02	Observed Wt/m Length **Kg/m**	**0.621**	0.567	**0.894**	0.834	**1.584**	1.483
03	Proof stress/Yield stress, fy , **N/mm^2**	**560.0**	500.0	**562.0**	500.0	**558.0**	500.0
04	Bend/ Re bend Test	**Ok**	---	**Ok**	---	**Ok**	---
05	Percentage of Elongation, %	**20.50**	12.00	**19.70**	12.00	**21.60**	12.00
06	Ultimate Tensile Strength **N/mm^2**	**632.0**	545.0	**622.0**	545.0	**638.0**	545.0

*As Furnished by Client.

The Results relate only to the items tested.

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JNANA BHARATHI
BANGALORE - 560 056

BUB/CTE/2017-18/CA

Date: 12-05-2017

1. TESTING OF COARSE AGGREGATES (40mm):

Sub: Testing of Aggregates 40mm.
{Project*: Construction of RCC Culvert & U Shape Drain for Secondary SWD in Settyhalli and Chikkasandra Village in Settyhalli Ward No.12, **Indent No.22272**}

Ref. : Letter No. AEE/SWD/DD/PR/14/2017-18, dated 08-05-2017

Sample supplied to lab by : Assistant Executive Engineer,
Storm Water Drain, Darasarahalli Division,
BBMP, Bangalore.

Name of the Contractor/Agency*: M/s. KVK Constructions.

Table - 1.1 : SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2002) % Passing	
	40 mm Sample	*Single size*	*Graded*
40mm	97.30	85-100	95 – 100
20mm	45.30	0 -20	30- 70
10mm	26.10	0 -5	10- 35
4.75mm	Nil	------	0 - 5

TABLE 1 2 :

SL No	Test conducted	Sample No	Results	Requirements as per IS:383-1970 & Test Conforms to IS 2386(Part I to IV) – 1963 (Reaffirmed on 2002)
1.	Flakiness Index	As above	13.80 %	Not to exceed 25 %
2.	Crushing value	----,,----	25.70%	Not to exceed 45 % for concrete other than for wearing surfaces and 30% for concrete for wearing surfaces

*As Furnished by Client.

The Results relate only to the items tested.

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ಬೃಹತ್ ಮಳೆನೀರುಗಾಲುವೆ ಕಂಡೆ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

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BUB/CTE/2017-18/MS

Date: 12-05-2017

1. TESTING OF FINE AGGREGATES (ROBO SAND):

Sub: Testing of Robo Sand/M.Sand.
{Project*: Construction of RCC Culvert & U Shape Drain for Secondary SWD in Settyhalli and Chikkasandra Village in Settyhalli Ward No.12, **Indent No.22272**}

Ref. : Letter No. AEE/SWD/DD/PR/14/2017-18, dated 08-05-2017

Sample supplied to lab by : Assistant Executive Engineer,
Storm Water Drain, Darasarahalli Division,
BBMP, Bangalore.

Name of the Contractor/Agency*: M/s. KVK Constructions.

TABLE - 1.1 : SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2007) Percentage Passing				Remarks
		Zone-I	Zone-II	Zone -III	Zone -IV	
10.00	**100.00**	100	100	100	100	The Sample Conforms to Grading **Zone-II**
04.75	**96.30**	90-100	90-100	90-100	95-100	
02.36	**85.10**	60-95	75-100	85-100	95-100	
01.18	**74.30**	30-70	55-90	75-100	90-100	
600. mic	**46.00**	15-34	35-59	60-79	80-100	
300.mic	**24.80**	5-20	8-30	12-40	15-50	
150.mic	**7.60**	0-10	0-10	0-10	0-15	

TABLE 1.2 ;

Sl No	Test Conducted	Sample	Results	Requirements as Per IS. Specification IS :383-1970 (Reaffirmed 2007)
1.	Specific Gravity	001	**2.62**	----------

*As Furnished by client.
The Results relate only to the items tested

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BANGALORE - 560 056

BUB/CTE/2017-18/Cement

Date: 17-05-2017

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Construction of RCC Culvert & U Shape Drain for Secondary SWD in Settyhalli and Chikkasandra Village in Settyhalli Ward No.12, **Indent No.22272**}

Ref. : Letter No. AEE/SWD/DD/PR/14/2017-18, dated 08-05-2017

Sample supplied to lab by : Assistant Executive Engineer,
Storm Water Drain, Darasarahalli Division,
BBMP, Bangalore.

Name of the Contractor/Agency*: M/s. KVK Constructions.

PHYSICAL TESTS ON CEMENT

Brand* : Birla Super
Grade * : 53
Type * : OPC
Date : 09-05-2017 to 16-05-2017

SL No	Name of Test	Results	Requirements as per
		Cement Sample	IS 12269-1987
1	Initial setting time	**155 min**	Shall not be less than 30 min
2	Final setting time	**245 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.70%**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**1.40 mm**	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results) b) 7 days (average of three results)	**28.70 N/ Sq mm** **41.60 N/Sq mm**	Shall not be less than 27 N/Sqmm Shall not be less than 37N/Sqmm

*As Furnished by Client.
The Results relate only to the items tested.

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BUB/CTE/2017-18/Cube

DATE: 16-06-2017

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes for 07days Compressive Strength.
{Project*: Construction of RCC Culvert & U Shape Drain for Secondary SWD in Settyhalli and Chikkasandra Village in Settyhalli Ward No.12, **Indent No.22272**}

Ref. : Letter No. AEE/SWD/DD/PR/14/2017-18, dated 15-06-2017

Sample supplied to lab by : Assistant Executive Engineer,
Storm Water Drain, Darasarahalli Division,
BBMP, Bangalore.

Name of the Contractor/Agency*: M/s. KVK Constructions.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M-25
Location* : Raft.

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
A	001	08-06-17	15-06-17	07	22500	510	22.67	**22.07**
	002	"	"	"	"	495	22.00	
	003	"	"	"	"	485	21.56	
B	004	"	"	"	"	465	20.67	**21.04**
	005	"	"	"	"	475	21.11	
	006	"	"	"	"	480	21.33	
C	007	"	"	"	"	490	21.78	**21.70**
	008	"	"	"	"	485	21.56	
	009	"	"	"	"	490	21.78	
D	010	"	"	"	"	475	21.11	**21.56**
	011	"	"	"	"	485	21.56	
	012	"	"	"	"	495	22.00	

*As Furnished by Client.
The Results relate only to the items tested.

16/6/2017

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BANGALORE - 560 056

BUB/CTE/2017-18/Cube

DATE: 07-07-2018

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes for 28days Compressive Strength.
{Project*: Construction of RCC Culvert & U Shape Drain for Secondary SWD in Settyhalli and Chikkasandra Village in Settyhalli Ward No.12, **Indent No.22272**}

Ref. : Letter No. AEE/SWD/DD/PR/14/2017-18, dated 06-07-2018

Sample supplied to lab by : Assistant Executive Engineer,
Storm Water Drain, Darasarahalli Division,
BBMP, Bangalore.

Name of the Contractor/Agency*: M/s. KVK Constructions.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M-25
Location* : Raft.

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
A	001	08-06-17	06-07-18	28	22500	630	28.00	**27.70**
	002	"	"	"	"	615	27.33	
	003	"	"	"	"	625	27.78	
B	004	"	"	"	"	635	28.22	**28.07**
	005	"	"	"	"	610	27.11	
	006	"	"	"	"	650	28.89	
C	007	"	"	"	"	640	28.44	**27.85**
	008	"	"	"	"	630	28.00	
	009	"	"	"	"	610	27.11	
D	010	"	"	"	"	595	26.44	**26.74**
	011	"	"	"	"	585	26.00	
	012	"	"	"	"	625	27.78	

*As Furnished by Client.
The Results relate only to the items tested.

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BUB/CTE/2017-18/Cube **DATE: 23-06-2017**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes for 07days Compressive Strength.
{Project*: Construction of RCC Culvert & U Shape Drain for Secondary SWD in Settyhalli and Chikkasandra Village in Settyhalli Ward No.12, **Indent No.22272**}

Ref. : Letter No. AEE/SWD/DD/PR/14/2017-18, dated 22-06-2017

Sample supplied to lab by : Assistant Executive Engineer,
Storm Water Drain, Darasarahalli Division,
BBMP, Bangalore.

Name of the Contractor/Agency*: M/s. KVK Constructions.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M-25
Location* : Raft.

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
A	001	15-06-17	22-06-17	07	22500	475	21.11	**21.26**
	002	"	"	"	"	465	20.67	
	003	"	"	"	"	495	22.00	
B	004	"	"	"	"	500	22.22	**21.33**
	005	"	"	"	"	465	20.67	
	006	"	"	"	"	475	21.11	
C	007	"	"	"	"	485	21.56	**21.11**
	008	"	"	"	"	450	20.00	
	009	"	"	"	"	490	21.78	
D	010	"	"	"	"	485	21.56	**21.78**
	011	"	"	"	"	485	21.56	
	012	"	"	"	"	500	22.22	

*As Furnished by Client.
The Results relate only to the items tested.

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BUB/CTE/2017-18/Cube

DATE: 14-07-2017

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes for 28days Compressive Strength.
{Project*: Construction of RCC Culvert & U Shape Drain for Secondary SWD in Settyhalli and Chikkasandra Village in Settyhalli Ward No.12, **Indent No.22272**}

Ref. : Letter No. AEE/SWD/DD/PR/14/2017-18, dated 13-07-2017

Sample supplied to lab by : Assistant Executive Engineer,
Storm Water Drain, Darasarahalli Division,
BBMP, Bangalore.

Name of the Contractor/Agency*: M/s. KVK Constructions.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M-25
Location* : Raft.

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
A	001	15-06-17	13-07-17	28	22500	650	28.89	**28.59**
	002	"	"	"	"	635	28.22	
	003	"	"	"	"	645	28.67	
B	004	"	"	"	"	625	27.78	**27.26**
	005	"	"	"	"	615	27.33	
	006	"	"	"	"	600	26.67	
C	007	"	"	"	"	620	27.56	**27.48**
	008	"	"	"	"	610	27.11	
	009	"	"	"	"	625	27.78	

*As Furnished by Client.
The Results relate only to the items tested.

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BUB/CTE/2017-18/Cube

DATE: 20-07-2017

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes for 07days Compressive Strength.
{Project*: Construction of RCC Culvert & U Shape Drain for Secondary SWD in Settyhalli and Chikkasandra Village in Settyhalli Ward No.12, **Indent No.22272**}

Ref. : Letter No. AEE/SWD/DD/PR/14/2017-18, dated 19-07-2017

Sample supplied to lab by : Assistant Executive Engineer,
Storm Water Drain, Darasarahalli Division,
BBMP, Bangalore.

Name of the Contractor/Agency*: M/s. KVK Constructions.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M-25
Location* : Raft.

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
A	001	12-07-17	19-07-17	07	22500	475	21.11	**21.63**
	002	"	"	"	"	485	21.56	
	003	"	"	"	"	500	22.22	
B	004	"	"	"	"	485	21.56	**22.00**
	005	"	"	"	"	495	22.00	
	006	"	"	"	"	505	22.44	
C	007	"	"	"	"	510	22.67	**21.78**
	008	"	"	"	"	485	21.56	
	009	"	"	"	"	475	21.11	
D	010	"	"	"	"	465	20.67	**21.78**
	011	"	"	"	"	495	22.00	
	012	"	"	"	"	510	22.67	

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The Results relate only to the items tested.

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BUB/CTE/2017-18/Cube **DATE: 10-08-2017**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes for 28days Compressive Strength.
{Project*: Construction of RCC Culvert & U Shape Drain for Secondary SWD in Settyhalli and Chikkasandra Village in Settyhalli Ward No.12, **Indent No.22272**}

Ref. : Letter No. AEE/SWD/DD/PR/14/2017-18, dated 09-08-2017

Sample supplied to lab by : Assistant Executive Engineer,
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BBMP, Bangalore.

Name of the Contractor/Agency*: M/s. KVK Constructions.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M-25
Location* : Raft.

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
A	001	12-07-17	09-08-17	28	22500	640	28.44	**27.70**
	002	"	"	"	"	620	27.56	
	003	"	"	"	"	610	27.11	
B	004	"	"	"	"	635	28.22	**28.22**
	005	"	"	"	"	645	28.67	
	006	"	"	"	"	625	27.78	
C	007	"	"	"	"	630	28.00	**27.63**
	008	"	"	"	"	610	27.11	
	009	"	"	"	"	625	27.78	
D	010	"	"	"	"	620	27.56	**28.07**
	011	"	"	"	"	630	28.00	
	012	"	"	"	"	645	28.67	

*As Furnished by Client.
The Results relate only to the items tested.

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BUB/CTE/2017-18/Cube **DATE: 23-06-2017**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes for 07days Compressive Strength.
{Project*: Construction of RCC Culvert & U Shape Drain for Secondary SWD in Settyhalli and Chikkasandra Village in Settyhalli Ward No.12, **Indent No.22272**}

Ref. : Letter No. AEE/SWD/DD/PR/14/2017-18, dated 22-06-2017

Sample supplied to lab by : Assistant Executive Engineer,
Storm Water Drain, Darasarahalli Division,
BBMP, Bangalore.

Name of the Contractor/Agency*: M/s. KVK Constructions.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M-25
Location* : Wall.

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
A	001	15-06-17	22-06-17	07	22500	495	22.00	**21.41**
	002	"	"	"	"	465	20.67	
	003	"	"	"	"	485	21.56	
B	004	"	"	"	"	475	21.11	**21.85**
	005	"	"	"	"	505	22.44	
	006	"	"	"	"	495	22.00	

*As Furnished by Client.
The Results relate only to the items tested.

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BUB/CTE/2017-18/Cube **DATE: 14-07-2017**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes for 28days Compressive Strength.
{Project*: Construction of RCC Culvert & U Shape Drain for Secondary SWD in Settyhalli and Chikkasandra Village in Settyhalli Ward No.12, **Indent No.22272**}

Ref. : Letter No. AEE/SWD/DD/PR/14/2017-18, dated 13-07-2017

Sample supplied to lab by : Assistant Executive Engineer,
Storm Water Drain, Darasarahalli Division,
BBMP, Bangalore.

Name of the Contractor/Agency*: M/s. KVK Constructions.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M-25
Location* : Wall.

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
A	001	15-06-17	13-07-17	28	22500	585	26.00	**27.19**
	002	"	"	"	"	620	27.56	
	003	"	"	"	"	630	28.00	

*As Furnished by Client.
The Results relate only to the items tested.

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ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಬೃಹತ್ ಮಳೆನೀರಿನ ಕಣಿವೆ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

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BUB/CTE/2017-18/Cube

DATE: 24-06-2017

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes for 07days Compressive Strength.
{Project*: Construction of RCC Culvert & U Shape Drain for Secondary SWD in Settyhalli and Chikkasandra Village in Settyhalli Ward No.12, **Indent No.22272**}

Ref. : Letter No. AEE/SWD/DD/PR/14/2017-18, dated 24-06-2017

Sample supplied to lab by : Assistant Executive Engineer,
Storm Water Drain, Darasarahalli Division,
BBMP, Bangalore.

Name of the Contractor/Agency*: M/s. KVK Constructions.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M-25
Location* : Wall.

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
A	001	17-06-17	24-06-17	07	22500	485	21.56	**21.19**
	002	"	"	"	"	475	21.11	
	003	"	"	"	"	470	20.89	
B	004	"	"	"	"	480	21.33	**21.56**
	005	"	"	"	"	490	21.78	
	006	"	"	"	"	485	21.56	

*As Furnished by Client.
The Results relate only to the items tested.

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BUB/CTE/2017-18/Cube

DATE: 16-07-2017

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes for 28days Compressive Strength.
{Project*: Construction of RCC Culvert & U Shape Drain for Secondary SWD in Settyhalli and Chikkasandra Village in Settyhalli Ward No.12, **Indent No.22272**}

Ref. : Letter No. AEE/SWD/DD/PR/14/2017-18, dated 16-07-2017

Sample supplied to lab by : Assistant Executive Engineer,
Storm Water Drain, Darasarahalli Division,
BBMP, Bangalore.

Name of the Contractor/Agency*: M/s. KVK Constructions.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M-25
Location* : Wall.

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
A	001	17-06-17	16-07-17	29	22500	645	28.67	**27.85**
	002	"	"	"	"	615	27.33	
	003	"	"	"	"	620	27.56	
B	004	"	"	"	"	610	27.11	**26.81**
	005	"	"	"	"	605	26.89	
	006	"	"	"	"	595	26.44	

*As Furnished by Client.
The Results relate only to the items tested.

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BUB/CTE/2017-18/Cube

DATE: 30-06-2017

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes for 07days Compressive Strength.
{Project*: Construction of RCC Culvert & U Shape Drain for Secondary SWD in Settyhalli and Chikkasandra Village in Settyhalli Ward No.12, **Indent No.22272**}

Ref. : Letter No. AEE/SWD/DD/PR/14/2017-18, dated 29-06-2017

Sample supplied to lab by : Assistant Executive Engineer,
Storm Water Drain, Darasarahalli Division,
BBMP, Bangalore.

Name of the Contractor/Agency*: M/s. KVK Constructions.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M-25
Location* : Wall.

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
A	001	22-06-17	29-06-17	07	22500	510	22.67	**21.85**
	002	"	"	"	"	485	21.56	
	003	"	"	"	"	480	21.33	
B	004	"	"	"	"	475	21.11	**21.26**
	005	"	"	"	"	465	20.67	
	006	"	"	"	"	495	22.00	
C	007	"	"	"	"	480	21.33	**21.33**
	008	"	"	"	"	490	21.78	
	009	"	"	"	"	470	20.89	

*As Furnished by Client.
The Results relate only to the items tested.

30/6/2017

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BUB/CTE/2017-18/Cube

DATE: 21-07-2017

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes for 28days Compressive Strength.
{Project*: Construction of RCC Culvert & U Shape Drain for Secondary SWD in Settyhalli and Chikkasandra Village in Settyhalli Ward No.12, **Indent No.22272**}

Ref. : Letter No. AEE/SWD/DD/PR/14/2017-18, dated 20-07-2017

Sample supplied to lab by : Assistant Executive Engineer,
Storm Water Drain, Darasarahalli Division,
BBMP, Bangalore.

Name of the Contractor/Agency*: M/s. KVK Constructions.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M-25
Location* : Wall.

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
A	001	22-06-17	20-07-17	28	22500	630	28.00	**27.70**
	002	"	"	"	"	615	27.33	
	003	"	"	"	"	625	27.78	
B	004	"	"	"	"	605	26.89	**27.48**
	005	"	"	"	"	630	28.00	
	006	"	"	"	"	620	27.56	
C	007	"	"	"	"	630	28.00	**27.70**
	008	"	"	"	"	615	27.33	
	009	"	"	"	"	625	27.78	

*As Furnished by Client.
The Results relate only to the items tested.

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ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬೃಹತ್ ಮಳೆನೀರುಗಾಲುವೆ ಕಾಮಗಾರಿ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

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BUB/CTE/2017-18/Cube

DATE: 28-07-2017

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes for 07days Compressive Strength.
{Project*: Construction of RCC Culvert & U Shape Drain for Secondary SWD in Settyhalli and Chikkasandra Village in Settyhalli Ward No.12, **Indent No.22272**}

Ref. : Letter No. AEE/SWD/DD/PR/14/2017-18, dated 27-07-2017

Sample supplied to lab by : Assistant Executive Engineer,
Storm Water Drain, Darasarahalli Division,
BBMP, Bangalore.

Name of the Contractor/Agency*: M/s. KVK Constructions.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M-25
Location* : Wall.

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
A	001	20-07-17	27-07-17	07	22500	465	20.67	**21.85**
	002	"	"	"	"	500	22.22	
	003	"	"	"	"	510	22.67	
B	004	"	"	"	"	515	22.89	**22.15**
	005	"	"	"	"	485	21.56	
	006	"	"	"	"	495	22.00	

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BUB/CTE/2017-18/Cube

DATE: 18-08-2017

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes for 28days Compressive Strength.
{Project*: Construction of RCC Culvert & U Shape Drain for Secondary SWD in Settyhalli and Chikkasandra Village in Settyhalli Ward No.12, **Indent No.22272**}

Ref. : Letter No. AEE/SWD/DD/PR/14/2017-18, dated 17-08-2017

Sample supplied to lab by : Assistant Executive Engineer,
Storm Water Drain, Darasarahalli Division,
BBMP, Bangalore.

Name of the Contractor/Agency*: M/s. KVK Constructions.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M-25
Location* : Wall.

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
A	001	20-07-17	17-08-17	28	22500	630	28.00	**27.70**
	002	"	"	"	"	615	27.33	
	003	"	"	"	"	625	27.78	
B	004	"	"	"	"	635	28.22	**28.07**
	005	"	"	"	"	640	28.44	
	006	"	"	"	"	620	27.56	

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The Results relate only to the items tested.

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BUB/CTE/2017-18/Cube

DATE: 01-08-2017

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes for 07days Compressive Strength.
{Project*: Construction of RCC Culvert & U Shape Drain for Secondary SWD in Settyhalli and Chikkasandra Village in Settyhalli Ward No.12, **Indent No.22272**}

Ref. : Letter No. AEE/SWD/DD/PR/14/2017-18, dated 31-07-2017

Sample supplied to lab by : Assistant Executive Engineer,
Storm Water Drain, Darasarahalli Division,
BBMP, Bangalore.

Name of the Contractor/Agency*: M/s. KVK Constructions.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M-25
Location* : Wall.

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
A	001	24-07-17	31-07-17	07	22500	465	20.67	**21.48**
	002	"	"	"	"	475	21.11	
	003	"	"	"	"	510	22.67	
B	004	"	"	"	"	500	22.22	**21.78**
	005	"	"	"	"	495	22.00	
	006	"	"	"	"	475	21.11	

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The Results relate only to the items tested.

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BUB/CTE/2017-18/Cube

DATE: 22-08-2017

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes for 28days Compressive Strength.
{Project*: Construction of RCC Culvert & U Shape Drain for Secondary SWD in Settyhalli and Chikkasandra Village in Settyhalli Ward No.12, **Indent No.22272**}

Ref. : Letter No. AEE/SWD/DD/PR/14/2017-18, dated 21-08-2017

Sample supplied to lab by : Assistant Executive Engineer,
Storm Water Drain, Darasarahalli Division,
BBMP, Bangalore.

Name of the Contractor/Agency*: M/s. KVK Constructions.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M-25
Location* : Wall.

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
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	002	"	"	"	"	630	28.00	
	003	"	"	"	"	620	27.56	
B	004	"	"	"	"	645	28.67	**28.37**
	005	"	"	"	"	650	28.89	
	006	"	"	"	"	620	27.56	

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